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Notice of Allowability

Application No.

10/612,397

Examiner

Ivan H. Carpio

Applicant(s)

NARHI ET AL.

Art Unit

2841

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Examiners amendment and interview summary filed 4/06/2006.
2. ☒ The allowed claim(s) is/are 1-15,17-36 and 38-43.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 20060309.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

DETAILED ACTION

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Alfred Fressola on 04/06/06.

The application has been amended as follows: Claims amended as below:

Claim 19 [Currently Amended] A method for manufacturing an electromechanical assembly for an electronic device, the electromechanical assembly comprising at least a printed wired foil, and the electronic device comprising at least one cover part, the electromechanical assembly is arranged to be an insert during an injection molding process to produce the cover part, the method comprising steps of:

- electrically connecting the printed wired foil to the electromechanical assembly and to the electronic device,
- mechanically connecting the cover part to the electronic device, and
- composing the electromechanical assembly and the cover part to be an integrated combination which is detachable from the electronic device.

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Claim 34 [Currently Amended] A method for manufacturing a cover part for an electronic device, the electronic device comprising at least an electromechanical assembly which comprises at least a printed wired foil, the electromechanical assembly is arranged to be an insert during an injection molding process to produce the cover part, wherein the method comprises steps of:

- electrically connecting the printed wire foil to the electronic device,
- mechanically connecting the cover part to the electronic device, and
- composing the electromechanical assembly and the cover part to be an integrated combination which is detachable from the electronic device.

Claim 37 [Cancel].

Claim 38 [Currently Amended] A method of manufacturing a cover part according to claim ~~37~~ 34, wherein the method comprises further step of:

- inserting the formed printed wired foil on top of a first mould comprising a through hole to a position where the second end of the connecting means are directed towards the first mould,
- placing a cover foil on top of the formed printed wired foil
- placing a second mould on top of the cover foil so that a cavity is provided between the second mould and the formed printed wired foil, a lower edge of the second mould following a shape of the formed printed wired foil

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- setting the first mould and the second mould against each other so that the lower edge of the second mould is engaged to the cover foil and the combination of the first and second mould is held still, and
- injecting molten resin via the through hole to the cavity between the first mould and the cover foil.

Reasons For Allowance

Claims 1-15 and 17-18 are directed to an allowable product. Pursuant to the procedures set forth in MPEP § 821.04(b), claims 19-36 and 38-43, directed to the process of making or using the allowable product, previously withdrawn from consideration as a result of a restriction requirement, are hereby rejoined and fully examined for patentability under 37 CFR 1.104.

Because a claimed invention previously withdrawn from consideration under 37 CFR 1.142 has been rejoined, **the restriction requirement between groups I and II as set forth in the Office action mailed on 7/1/2005 is hereby withdrawn.** In view of the withdrawal of the restriction requirement as to the rejoined inventions, applicant(s) are advised that if any claims including all the limitations of an allowable product claim or rejoined process claim are presented in a continuation or divisional application, such claims may be subject to provisional statutory and/or nonstatutory double patenting rejections over the claims of the instant application. Once the restriction requirement is withdrawn, the provisions of 35 U.S.C. 121 are no longer applicable. See *In re Ziegler*, 443 F.2d 1211, 1215, 170 USPQ 129, 131-32 (CCPA 1971). See also MPEP § 804.01.

The following is an examiner's statement of reasons for allowance: Regarding both independent claims 1 and 12, Kaikuranta (US Patent 6633241) teaches an electromechanical assembly comprising a printed wire foil and a cover part but does not teach the structural limitations implied by the following: the electromechanical assembly is arranged to be an insert during an injection molding process to produce the cover part so that the electromechanical assembly and the cover part are arranged to compose an integrated combination which is detachable from the electronic device, which is read structurally as an electromechanical assembly that is an insert in the injection molded cover part so that the electromechanical assembly and the cover part are arranged to compose an integrated combination which is detachable from the electronic device, furthermore there is no evidence in the prior art that suggest having the electromechanical assembly as an insert in the injection molded cover part would be obvious. Yoneda (US 2003/0075825) teaches an electromechanical assembly arranged as an insert in an injection molded cover part but does not teach means for electrically connecting the electromechanical device to an electronic device. In fact Yoneda teaches that it is not desired that the electromechanical assembly have electrical contact with an electronic device to avoid short circuit, therefore the combination of Kaikuranta and Yoneda would not be proper. Claims 19 and 34 are allowable for containing the same allowable subject matter as the allowed claims described above.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

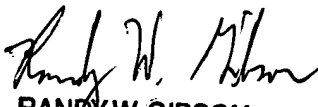
Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ivan H. Carpio whose telephone number is 571-272-8396. The examiner can normally be reached on M-R 6:00am - 4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kammie Cuneo can be reached on 571-272-1957. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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RANDY W. GIBSON
PRIMARY EXAMINER

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